COL. COSBY TESTS **WAR GAS EFFECTS**

Former District Engineer Commissioner Loses His Voice in France.

NOT SATISFIED TO TAKE EXPERIENCES OF OTHERS

Felt It His Duty, as U. S. Military Attache, to Make Personal Investigation.



COL. SPENCER COSBY.

Correspondence of the Associated Press. PARIS, June 25 .- Col. Spencer Cosby United States military attache at Paris, has been speaking in a hoarse whisper of late. His friends have noted it, and very bad cold. Col. Cosby's voice has New York city. not permitted him to reply, and he has let it go at that-a cold. But it was not a cold.

The use which the German army has made of poison gas in the present war has brought a new and terrible element of destruction into military Just what this terrible new agency is, what part it plays in the offensive and defensive tactics, and to oned with as a permanent element in future warfare-these are problems which the military experts throughou the world are trying to determine. Here in France, where take poison gas has been used with most deadly effect in Champagne, Argonne and all along the fighting line, its ravages have been particularly apparent, and the military attaches of many countries have been active securing data for their governments on this new agency.

of the effects of the new element. But closely determined on a direct personal investigation on the element itself—the poison gas in all its forms—just as a medical scientist has at times put some new serum to the supreme test on himself.

"But you should be warned of the extreme risk," said the chief chemist." It is very dangerous—a matter of life and death."

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Yet against the warning was the teening that a mysterious agency of warfare needed to be explored to its very end. And so the word was given to go ahead and the official wheels turned swiftly in bringing together all sorts of gas, fresh and powerful, from the nearby fighting

fronts.

The facilities for such a test of the gases were not easily obtained. But these were at last secured, and the American military attache was the first and only the second only attached these exceptional facilities. military attache was the first and only one to be granted these exceptional facilities. With these preliminaries arranged, Col. Cosby found himself in the presence of long lines of bottles, ranged on shelves, much as in a chemist's shop. Surgeons and white-garbed attendants and chemical experts were about, with pestle and mortar, vacuum pumps and air-tight jars, making experiments and tests of gases and antidotes. Nearby hung a line of gas masks, with gaping eye-holes, used to counteract the poisonous fumes.

Bottles of Deadly Gas.

The large bottles contained the various forms of liquid gas, direct from the front, and in varying degrees of strength Most of them showed a volatile yellowfsh liquid, which, on being exposed to the air, gave off the deadly gases which have wrought such havoc. There were three distinct groups of these gases: first, those bursting into flame and commonly known as liquid flame; second, the tear-produc as liquid flame; second, the tear-producing gases, which do not kill or permanently main, but which so blind a column of onrushing troops that it becomes helpless and is brought to a halt, and third, the actual poison gas which suffocates and kills with ten times the horror of a bullet or shell. This last, it is the belief of military experts, is a barbarism of warfare which must be ultimately banned by the universal sentiment of civilization. But they are equally of the belief that the lesser forms of gas—which do not kill but merely interrupt the forward progress of an attack—are a permanent element of defensive

rupt the forward progress of an attack—are a permanent element of defensive military strategy, which must be taken into consideration in future warfare.

"This is the least deadly," explained the chief chemist, as he presented one of the bottles containing the inflammatory gas. He drew the glass stopper very cautiously, and Col. Cosby took a slight whiff of the gas. It was not overpowering or violent in its effect—only a punget order of ether. Now the second class of gasses was reached—the tear-producing gases—and these, too, were tested in the same way. These, also, were not overpowering, but gave the same sharp oder of ether and gave the same sharp odor of ether and a perceptible effect on the eyes. Col Cosby was beginning to think the Cosby was beginning to think the

Warned Not to Try.

They had now reached the poison gas the deadly gas which clutches and kills. The chemist paused.

"You will not try this," he said, appearingly.
Yes, all of them," said the colonel "Yez, all of them," said the colonel, positively, recalling the rather agreeable pungent odor of the other gases. "Then we must be very cautious," said the chemist. "Place yourself about foot away from the bottle. I will raise the glass stoper the slightest possible fraction of an inch, so that only an insignificant portion of gas can escape—but it will be enough. Now, trustly!

He drew the stopper the slightest martice, and only for an instant, with the Costy a foot away. But in that intant the colonel felt he had been nurled back twenty feet. Tongues of fire were eating at his throat, and 10-100 needles were darting around his reck. It seemed as though live vitriol and emptted in his mouth and was coursing through his veins. His whole speal system was paralyzed. This intallessmal portion of the deadly gas lind, in an instant, overpowered him.

It was some little time before col.

tests. The chief chemist said the effect would continue some hours and proba-bly some days. It would be most ob-servable, he said, in eating or drinking

Food Tasted of Gas. Col. Cosby took an auto home, his

throat still on fire, but not otherwise physically affected. That night every nouthful of dinner had the unmistak able taste of the poison gas; each draught of water had the same taste of Rear Admiral Knight Finds draught of water had the same taste of the deadly gas, and even the puffs of a cigar had the taste of so many puffs of this death-dealing gas—always the flery needles and so many draughts of vitriol. Col. Cosby could speak to his family only in inarticulate whispers. They were naturally much concerned over the possible after effects.

When Col. Cosby saw a doctor next day, the throat was found to be in a very bad condition, as from an acute attack of laryngitis. The colonel contined on his duties, but for a week he could speak only in whispers. It was ten days before the clutch of the poison gas on the throat had been reiaxed enough to let him speak again in full voice.

"That's a bad case of laryngitis," said

the Russian ambassador.

"Yes," whispered Col. Cosby, "a:
acute form, recently discovered by Ger
man scientists—a form that kills."

DR. ROSS McC. CHAPMAN GOES TO ST. ELIZABETH

Becomes Assistant Superintendent of Government Hospital for

Dr. Ross McC. Chapman of Binghamton, N. Y., has been appointed assistant superinendent of the Government Hospital for the Insane, according to Dr. William A. White, superinendent. Dr Chapman's appointment becomes effective August 1, and is made from the ivil service register.

Dr. Chapman, who was born in Dr. Chapman, who was born in Broome county, N. Y., is at present connected with the New York State Hospital at Binghamton. He is thirty-five years old, and a graduate of the University of Michigan. In addition, he studied at Syracuse University, and took a post-graduate course in the Psychiatric Institute. Ward's Island, New York city.

Dr. Chapman practiced for a few battle cruisers and two dreadnaughts. "If the number is ten, I recommend six battle cruisers and four dreadnaughts." Admiral Knight's letters were sent to the Navy Department as a result of a request from Secretary Daniels for his opinion. The request was for a statement in connection with testimony given by Admiral Knight before the House committee on naval affairs. In his letters Admiral Knight quotes some interesting have expressed their regrets at his Psychiatric Institute. Ward's Island,

Dr. Chapman practiced for a few years in Watertown, N. Y., and later went to the State Hospital at Utica. From there he went to the Binghamton institution. He has made a special study psychiatry, and has published a number of papers on the subject. Dr. Chapman will fill a position that has been vacant for more than a year.

WATERMELONS BACKWARD.

Cold Spring Has Delayed Ripening Along Chesapeake Bay.

From present indications it looks as

BATTLE CRUISERS

Lesson in Battle Off Jutland.

ALTHOUGH THREE SINK HELD ENEMY FOR FLEET

Indicates the Greater Usefulness of Type of Warship-Dreadnaughts Still Naval Strength.

Col. Cosby formerly was Engineer Commissioner of the District of Columbia and also was stationed here as different charge of public buildings and M. Knight, president of the Naval War College, located at Newport, R. I., in which he draws attention to the value o the battle cruiser in modern naval warfare, a conclusion reached by him as the result of the recent battle in the North sea, off the coast of Jutland, between British and German warships.

Admiral Knight states in these letters that his "view of the value of the battle cruiser has been somewhat enhanced by the results of the battle off Jutland, far as these results are known."

Proposed Construction Program. He states, concerning the naval appropriation bill, which is now before the Senate:

"If the number of capital ships to b provided for this year is four, I recom mend that all be battle cruisers. "If the number is six, I recommend four battle cruisers and two dreadnaughts.

Admiral Knight quotes some interesting ny he then gave.

Lesson of Battle Off Jutland.

After stating that in his opinion neither the report of Admiral Jellicoe, the British naval commander, nor any other source of information at present available affords a basis for definite judgment as to the actual resuts of the battle off Jutland, Admiral Knight declares "the most significant fact is that three British battle cruisers

were sunk," and, he continues:
"But this one fact is clear, and in it
lies the whole explanation of the inci-

the world are trying to determine. Here in France, where take poison gas has been used with most deadly effect in Champagne. Argonne and all along the fighting line, its ravages have been particularly apparent, and the military attaches of many countries have been scrive securing data for their governments on this new agency.

Col. Cosby Was Curious.

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Col. Cosby shared the keen interest of his brother military investigators, and in one respect he went far beyond them. There were ample date, from the battlefields and the hospitals, where ghastly patients were a living witness of the effects of the new element. But Col. Cosby determined on a direct personal investigation on the element.

Sut this one fact is clear, and in it lies the whole explanation of the incident—the battle cruisers were doing the work of battleships, for which they were not designed, and they paid the wastermelons from farms on tributaries of the bay begin to arrive here the latter part of July or early in August, and before the end of the first week in August the melons are arriving here by the many thousands daily.

Advices received by Capt. Dave Faunce, who each season handles at the wharf many hundred thousand melons for the producers, state that owing to the cold spring the melons are lating from the battlefields and the hospitals, where shall prove the cold spring the melons are backward and it will be later than usual when the season opens. The same conditions are known to exist at the lies the whole explanation of the incident—the battle oruisers were doing the work of battleships, for which they were not designed, and they paid the penalty. Which was more or less instruction of the incident—the battleships, for which they were not only engaging to the work of battleships, for which they were not only engaging to the work of battleships, for which they were not only engaging to the work of battleships, for which they were not only engaging to the melons are arriving here by them at short range.

The sum the f



Advice---Often Worth Heeding

-particularly when that advice refers to habits that directly affect one's health and comfort.

Thousands, annoyed by headaches, nervousness, biliousness, sleeplessness, etc.-often due to coffee drinking-have heeded a friendly suggestion to quit the coffee and use

Instant Postum

This pure food-drink is made of wheat roasted with a bit of wholesome molasses. It has a rich, snappy flavor much like that of high-grade Java coffee, yet it contains no caffeine-the drug in coffee-nor other harmful element.

Freedom from caffeine gives Nature right of way to rebuilt and revitalize the mental and physical forces.

There are two forms of Postum: The original Postum Cereal must be boiled; Instant Postum, a soluble form, is made in the cup by adding boiling water -ready instantly. Some prefer one, some the other; they are equally delicious and the cost per cup is about the same.

With most coffee-drinkers the change to Postum marks the start to better health and greater comfort.

"There's a Reason"

Grocers everywhere sell Postum.

due to the static cruisers and the loss of three to title cruisers.

To this Admiral Knight says he replied as follows:

To this Admiral Knight says he reposition for the another part, which I tried to the saint of the station of the another part, which I tried to the saint of the station of the another part which I and the same distance in length of the enemy, his whereabouts, his moder constant observation by scouting of the enemy, his whereabouts, his moder constant observation by scouting of the enemy, his whereabouts, his moder constant observation by scouting of the enemy, his whereabouts, his moder constant observation by scouting the constitution of his plans.

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calls for avoidancee.

"The characteristic of a battle cruiser is that it has very high speed associated with very great gun power, and specially very long-range gun power, and it cannot be difficult for you to see that this gives exactly the qualities which are wanted when a contact is made with, it may be, the small scouts of an enemy fleet, which the battle cruiser can destroy without danger to itself, or with a large force, discovered, perhaps, at early dawn, from which force the battle cruiser can escape, carrying his information with him.

cape, carrying his him.

"If the force encountered is intermediate between the two, the gun power of the battle cruiser and the power of selecting his own range by virtue of his speed, will make it possible to use his long-range guns while i keeping out of range of the enemy, and will thus enable him to do a great deal in an offensive as well as in a defensive way."

Program for Gospel Tent.

The gospel tent at 16th street and Park evening. Evangelist Harter had for his subject "The Day of Judgment." This evening, tomorrow and Wednesday nights health lectures are to be given by Drs. D. H. and Lauretta Kress.

Eyeglass.

GOLDENBERG'S-BOTH SIDES OF SEVENTH STREET"

Women's "Burson" Silk Hosiery

Regular 50c Quality, at... 35c Women's Burson Silk Hose, seamless foot, double sole, high-spliced heel and toe; black and white; liste garter

Women's Silk Lisle Hose, seamless foot, double sole, high spliced heel and toe, garter hems; black and white. 25c value..... 17c

Colored Handkerchiefs Regular 10c and 12c Qualities for . **C** Fresh, dainty, colored Handkerchiefs of lawn

Women's

and mulls, with colored embroid-ered corners in neat designs. Choice of pinks, blues and laven-

SUMMER STORE HOURS: 8:15 A.M. to 5 P.M. AT. GOLDENBERG'S" "IT PAYS TO DEAL"

BOTH SIDES OF 7TH AT K ST. "THE DEPENDABLE STORE"

Cold Storage for Your Furs—our Cold Storage Vaults are proof against furs. Taken care of by expert furriers for 2% of the Valuation.

Fiber Silk **Sweaters**

Fiber Silk Sweat-

Outfit Glasses, fitted with crystal spherical lenses; also one Aluminum Leather Case and one Eyeglass Cleaner,

First Floor.

ASH DRESS SALE



\$5.00, \$6.00 and \$7.00; Offered at \$2.88

Even though the weather was threatening today, this Wash Dress Sale proved sufficiently enticing to several hundred women, who purchased them at savings worth while.

A late season found a manufacturer with this lot of Wash Dresses on his hands, and a prompt deal secured them for us to sell at welcome savings.

Embroidered Lingerie, Satin Striped White Voiles, Colored Embroidered Voiles, Woven Striped Voiles, Imported Tissues, "Sports Stripe" Crepes and Voiles, Flowered Lingerie and Voiles, Etc.

Scores of stylish models to choose from, including Sports and Coatee Dresses, Beach and Tailored Dresses, Russian Blouse, Tunic and Combination Dresses and novelty effects. Large range of colors and combinations.

Sale of 29c and 39c

Imported Suitings 40 to 47 inches wide, Worth 50c a yard,

Clean-up of importer's discontinued styles of Imported Suitings. Stylish weaves, including heavy eponge, self-color brocade crepe and ratine suitings, in a large range of colors. 40 to 47 in, wide. Makes splendid suits and skirts. 27-inch Ratine, in light blue, tan 27-inch Ratine, in light blue, tan, copenhagen, brown, pink, rose, navy, lavender, etc. Heavy quality, with pebble dash weave. Worth 15c yard.

40-inch Printed Rice Cloth, white and tinted grounds, with neat floral designs; fine two-ply quality, for waists and dresses. Worth 19c yard.

(Domestic Pept., lat Floor.)

\$1.50 Ready-to-Hang Awnings, 59c



starch or dressing.

Crochet Bedspreads, double-bed size; Marseilles designs. Regular \$1.50

Special Lot of Little Girls'

White Dresses

Values 98c

canvas in brown or blue

Double-Bed 49c

A purchase of 50 dozen "Ironwear" Bleached Sheets, at a

concession, brings you this chance to supply needed bed muslins

at a saving. Made of extra heavy round thread sheeting cot-

ton, with a welded seam in the center that gives added strength.

Double-bed size; hand torn and ironed; free from injurious

40-in. Sheer White Voiles

For Waists and Dresses

In an Endless Variety of New

The newest and choicest white weaves will be found in this collection of white goods—just now enjoying the height of popularity for waists and dresses. Every woman with an eve to economy will want to buy several dress patterns at this low price. The range of styles includes:

40-inch Mercerized Striped Voile, 40-inch Cushion Dot Voile, 40-inch Striped Seed Voile, 40-inch Gabardine Striped Voile, 40-inch Plaid Gothic Voile,

36-inch White Sulting, including pique stripe rep and basket weave Oxford suiting. Very smart and effective 19c weaves. Worth 39c yard. 36-inch White Gabardine, superior double twill grade, with desirable wool finish. For suits and skirts. Worth 25c

40-inch Splash Voile, 40-inch Roving Stripe Voile, 40-inch Mercerized Satin Stripe Marquisette, 40-inch Check Seed Voile.

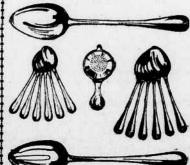
45-inch White Luna Lawn, extra fine sheer grade, with a finish entirely different from any other white fabric. Worth 19c45-inch White Crepe, extra fine,

65c 'Ironwear' Bleached Sheets \$1.25 Porch Screens Reduced to 59c

Clearance sale of these Japanese Porch Screens brings the price down to 59c for the regular \$1.25 kind. Closely drawn together by strong cord, with heavy bamboo rod at top and bottom; complete with ropes and pulleys. Six feet wide by 7 feet 8 inches drop.

\$1.75 Porch Screens, 8 feet by 7 feet 8 inches, at Fourth Floor.

\$1.50 Aluminum Kitchen Sets 69c



THIS COUPON and 69c for Pure Aluminum Kitchen Sets, consisting of 6 teaspoons, 6 tablespoons, 1 tea strainer, 1 slotted mixing spoon and 1 cookspoon. (S) (Basement.)

Samples of "Merode" and "Harvard Mills" Brands of Women's Knit Underwear At About ½ Price!

The variety of styles, the magnitude of the savings and the desirability of the garments combine to make this the biggest and best sale of knit underwear you have known. Plan to attend tomorrow and secure a season's supply of these splendid garments. Women's Merode and Har-

vard Mills Sample Union Suits, all shapes, of lisle and cotton. Finished with flatlock seams, lace or shell trimmed silk tape; regular and out

Women's Merode and Harpopular shapes; pants, ankle, tight knee and lace trimmed. Regular and out sizes. All sizes in the lot, but not in each style. 29c



Midsummer Notion Needs

Standard quality, full-count, first-grade Small

Embroidered Stickerel Trimming: 4 and 6 yard pieces: many neat patterns in colored embroidered edgings and bandings; values up to 25c. 10c

Horn Hairpins, assorted styles; half dozen in box; regular 10c kinds.

Inside Dress Belting; lar 10c kind. Yard

Nickel Safety Plas. assorted sizes: 2c Hias Seam Tape: 12-yard pieces; assorted widths; regular 19c and 12c kinds. 5c

Women's Sanitary Belts: Kleinert's 19c make; all sizes.

Embroidered Organdy Flouncings, Regular 50c and 75c 39c Qualities, at, Yard...

The handsomest styles designed for smart summer frocks-27 inches wide-in a varied range of lovely embroidered effects on sheer quality white organdy.

The richness of the styles and exceptionally fine qualities will appeal, to every discriminating shopper.

JULY CLEARANCE SALE OF Untrimmed and Sports Hats Former Prices Up to 69C \$2.00. Choice at...



No matter how many hats you have, the little price we name for these untrimmed shapes should make you want to buy another to last the summer out.

The assortment is varied enough to please every one, and includes Black-and-White Hemp Hats, in the best shapes of Sailors, Mushrooms and other favored styles, also fashionable "Sports" Hats in all wanted colors and combinations. The former selling prices were up to \$2.00. Choice tomorrow at 69c.

Untrimmed Hats, in white hemp, black hemp and Lizere: also a few Colored Hats, in navy and purple. Very fine qualities and stylish shapes in large and medium size hats. Values up to \$3.50. July 95c Clearance Sale price.

Women's White Footwear

A sale event of unusual importance to every woman who wants to

buy stylish white footwear at 'way below the regular cost. The lot comsists of about 500 pairs of Low Shoes in all this season's most desirable models and toe shapes. White with leather and rubber soles.

Canvas Colonials, Pumps, Strap Slippers and "Sports" Oxfords,

25c & 39c "Sports Stripe" Suitings at 16c

36-inch "Sports Stripe" Suitings, in the newest and prettiest styles shown this season. Complete range of stripes and colorings, in the following:

Gabardine Oxford Suiting English Rep Etc., Etc.

36-in. Tan Pongee, pure silk, with a warp of mercerized cotton; in the stylish rough weave. Stylish natural tan color. The vogue for smart coats, suits and dresses. Regular 75c 49c value, at 40-in. Woven Crepes, in white grounds, with handsome colored embroidery designs and colored woven checks; newest material for waists and dresses. Regular 35c value, at.

Clearance of Regular \$2, \$2.50 and \$3 Qualities To=

All sizes in the lot from 21/2 to 7.

Dainty Summertime Dresses of
sheer white lawn,
in short and
medium waist
models; waist and
skirt prettily
trimmed with val
laces, tucks and
e m b r o i d e r y.
Others of dotted
swiss, with hemstitched skirt. lengths from 2 to 10 yards. A great many pieces alike. Figured all over or plain centers, with neat floral borders of various First Floor-Bargain Tables, stitched skirt. Sizes 2 to 6 years. 150 Summer Curtains 25c Gold Filled **Beauty Pin Sets** At 95c Pair

At 5¾c Yd. A purchase of 10,000 yards of "run-of-the-mill" Curtain materials at less than factory cost. Good

121/2c Curtain Materials

Extra Heavy Crochet Bedspreads, in handsome raised Marseilles designs; full double-bed size. Worth \$2.50 \$1.59

45x38 Bleached Pillowenses, large size; heavy linen finish quality. Regularly 12½c 83/4 C each

assortment of desirable lightweight fabrics, including scrims, madras and casement cloth, in

Just what you need to brighten up the home for the summer—curtains for doors or windows; 40 inches wide, 2% yards long; in ecru grounds with various shades of green stripes, finished with tassels.

Fourth Floor.

GOLDENBERG'S_BOTH SIDES OF SEVENTH STREET"

sizes. All sizes in the lot, Values worth \$1.00 and \$1.25 each Women's Merode and Har-

ous shapes; pants and tights, in ankle lengths, tight knee and lace-trimmed styles. Regular and out 39c 75c values..... vard Mills Underwear; shirts in all



Wares at lowest possible prices. Women's Sanitary Napkins; regular 5c

kind; superior grade absorbent cotton; 12 cotton; 25c

Wash Rags, regular

Collar Buttons one-piece composition; dozen on card; regular 3c kinds; 2 cards 3c